

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Original): An isolated nucleic acid molecule comprising a nucleotide sequence encoding a cynomolgus monkey Dickkopf-4 (cDkk-4) protein which has an amino acid sequence as set forth in SEQ ID NO:2.

Claim 2 (Original): The isolated nucleic acid of Claim 1 wherein the nucleic acid is a DNA.

Claim 3 (Original): The isolated nucleic acid of Claim 1 wherein the nucleic acid is an RNA.

Claim 4 (Original): The isolated nucleic acid of Claim 1 wherein the nucleic acid is a cDNA.

Claim 5 (Original): The isolated nucleic acid of Claim 1 wherein the nucleic acid has a nucleotide sequence as set forth in SEQ ID NO:1.

Claim 6 (Original): An isolated protein comprising an amino acid sequence as set forth in SEQ ID NO:2.

Claims 7-9 (Cancelled)

10. A method for producing a cynomolgus monkey Dickkopf-4 (cDkk-4) protein which binds a low-density lipoprotein receptor protein 5 (LRP5) comprising:

(a) providing a nucleic acid encoding the cDkk-4 protein operably linked to a heterologous promoter;

(b) introducing the nucleic acid into a cell to produce a recombinant cell;
and

(c) culturing the recombinant cell under conditions which allows expression of the cDkk-4 protein to produce the cDkk-4.

Claim 11 (Original): A method for determining whether an analyte is an antagonist of Dickkopf 4 (Dkk-4) comprising:

- (a) providing a polypeptide comprising the extracellular domain of a Dkk-4 receptor;
- (b) contacting the polypeptide with a cynomolgus monkey Dkk-4 (cDkk-4) and the analyte; and
- (c) determining whether binding of the cDkk-4 to the polypeptide is decreased in the presence of the analyte, wherein a decrease in the binding indicates that the analyte is an cDkk-4 antagonist.

Claim 12 (Original): The method of claim 11, wherein the Dkk-4 receptor is low-density lipoprotein receptor related protein 5 (LRP5) or low density lipoprotein receptor related protein 6 (LRP6).

Claim 13 (Original): The method of claim 11, wherein the Dkk-4 receptor is kremen1 or kremen2.

Claim 14 (Original): The method of Claim 11 wherein the cDkk-4 is labeled.

Claim 15 (Original): The method of Claim 11 wherein the cDkk-4 is a fusion protein.

Claims 16-37 (Cancelled)